	OCH1	MNN4	MNN1	ALG3
	α-1,6 mannosyltranseferase	mannosylphosphate transferase	α-1,3 mannosyltranseferase	α-1,3 mannosyltransferase
	D11095	D83006	L23753	Z35844
Present Application	S.cerevisiae	S.cerevisiae	S.cerevisiae	S.cerevisiae
	Candida albicans (XM_711539) 53. 9%	Saccharomyces castellii (AY144983) 51. 6%	Kluyveromyces lactis (XP_454392) 53. 7%	XP_712105 Candida albicans
	Kluyveromyces lactis (AJ428417) 65. 0%	Saccharomyces kluyveri (AY145033)	Candida albicans (XM_718301) 38. 9% (XM_715622)	
		Saccharomyces bayanus (AY144883, AY144884)	Debaryomyces (XM_458201) 40. 2%	
		Candida albican (AF481861) 34. 8%		
		Aspergillus fumigatus (XM_745036) 15. 0% (XM_747540)		
Literature	PNAS, 100, 5022–5027 (2003)	Gene 324, 129-137 (2004)	Biochimica et Biophysica Acta, 1426, 227-237 (1999))	

	α-mannosidase I	Gn-T- I	α-mannosidase II	Gn-T- II	UDP-GLcNAc	Marker
	α-1,2mannosidase	N-acetylglucosaminyl transferase I		N-acetylglucosaminyl transferase II		
	D49827	NM030861	U31520	U15128		
Present Application	Aspergillus saitoi	Rat	Human	Human	Human	URA3
	Mus musculs (U04299) 38. 4%	Kluyveromyces lactis (AF106080) 30. 9%	Gallus gallus (XP 413979)			Pichia pastoris (AF321098)
	Drosophila melanogaster (X82640) 36. 9%	Pan troglodytes (XM_518161) 94. 6%	Xenopus laevis (AAH72937)			Candida albicans (AF109400)
	Aspergillus nidulans (AF129496) 83. 5%	Human (M61829) 94. 6%				Kluyveromyces lactis (D00431)
	Caenorhabditis elegans (NM_059715) 46. 1%					
	Human(NM_005907) (NM_006699) 40. 1% (NM_020379)					
Literature	PNAS, 100, 5022–5027 (2003)	PNAS, 100, 5022–5027 (2003)	J Biol Chem. 2001 May 11;276(19): 16335-40. Epub 2001 Feb 9			